

**Summary of City of Flint (City) Actions  
In Response to the  
EPA Emergency Administrative Order  
Updated: January 19, 2017**

Chapters 52, 57, 59a & 59b: Weekly Conference On-Site Regarding Flint Water Plant Operations January 19, 2017.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant Supervisor completed a conference call on January 19th to review and discuss the summary of water quality and corrosion control parameters reported on the City's January Operation Report completed to date, and a summary of water quality parameters collected for the 7-day period from Thursday, January 12<sup>th</sup> to Wednesday, January 18<sup>th</sup>, 2017 from the 10 sites monitored weekly. Data review (from the MOR) and enhanced weekly distribution system data is summarized below. NOTE: *SITE NAME* is still being sampled while West Side Reservoir is unavailable.

The following observations were noted:

- The supplemental phosphate dosage was consistent and ranged between 2.56 and 2.71 milligrams per liter (mg/l). The phosphate residuals measured at the plant tap ranged from 3.6 to 3.8 mg/l entering the distribution system.
- All pH measurements were greater than 7.0 at all 10 of the Enhanced Water Quality Monitoring (EWQM) sites and the Point of Entry (Control Station #2) to the system. The pH levels ranged from 7.28 to 7.44 in the water received from Great Lakes Water Authority (GLWA) and from 7.25 to 7.41 at the 10 distribution system sites.
- The phosphate residual at the ten established, weekly distribution system sites ranged between 3.2 and 3.8 mg/l.
- Iron levels at EWQM sites ranged from 0.01 to 0.08 mg/l. Plant tap iron concentrations measured 0.0 to 0.02 mg/l in the last week.
- The supplemental chlorine feed at Control Station #2 ranged from 0.96 to 1.18 mg/l and the plant tap free chlorine residuals ranged from 1.6 to 1.9 mg/l.
- The free chlorine residuals at the City's 27 monitoring sites in the distribution system ranged from 0.79 to 1.65 mg/l. The low residual was at site '*Dist Location#19/previous site #6*', and the high residual was at '*Dist Location#9/previous site #7*'.